



PRESSURE/DIFFERENTIAL PRESSURE TRANSDUCER - FDE28

Application

Digital pressure transducer for the measurement of excess pressure, negative pressure and differential pressure. This series' transmitter is well suited for a wide range of measurement tasks in the fields of heating and sanitary engineering. Typical areas of application: Differential pressure measurement between supply and return flow in heating systems or the surveillance of filters, compressors etc.



Technical Data

Pressure range (bar):	see table	
Nennndruck des Messsystems:	16 bar	
Max. Druckbelastung:	safe against excess pressure up to nominal pressure of the measurement system, (+) and (-)-sided	
Admissible ambient temperature:	0 °C ... +70 °C	
Max. Storage temperature:	70 °C	
Protection class:	IP54 acc. DIN EN 60529	
Electrical connection:	3-wire	3-wire
Power supply:	24 VDC / VAC	24 VDC / VAC
Admissible supply voltage:	15 ... 30 VDC 20 ... 30 VAC	15 ... 30 VDC 20 ... 28 VDC
Output signal:	4 ... 20 mA 0 ... 20 mA	0 ... 10 V
Material:		
Housing:	Polycarbonat	
Pressure chamber:	Brass	
Diaphragm:	NBR / Viton®	

Differential pressure transmitter FDE28 (Product Group 2)

Description

Standard measuring ranges from 0-400 mbar to 0-6 bar without display
Nominal pressure of measurement system: 16 bar
Accuracy class 2.5
Operating voltage 24 VAC/DC

Construction type

Measuring range

0 ... 400 mbar

0 ... 0,6 bar

0 ... 1 bar

0 ... 1,6 bar

0 ... 2,5 bar

0 ... 4 bar

0 ... 06 bar

Order Code

8

3

0

1

0

2

0

3

0

4

0

5

0

6

Construction type

Pressure chamber/membrane sealing

Brass / NBR

M

Standard

Brass / Viton®

N

Pressure connections

Innenthread socket G 1/8

0

0

Standard

Brass compression ring fitting for 6 mm tube

2

8

Brass compression ring fitting for 8 mm tube

2

9

Electrical connection

5 m numbered cable

5

Standard

Electrical output signal

0 ... 20 mA / 3-wire Connection

A

Standard

0 ... 10 V / 3-wire Connection

C

4 ... 20 mA / 3-wire Connection

P

FDE28

5

L